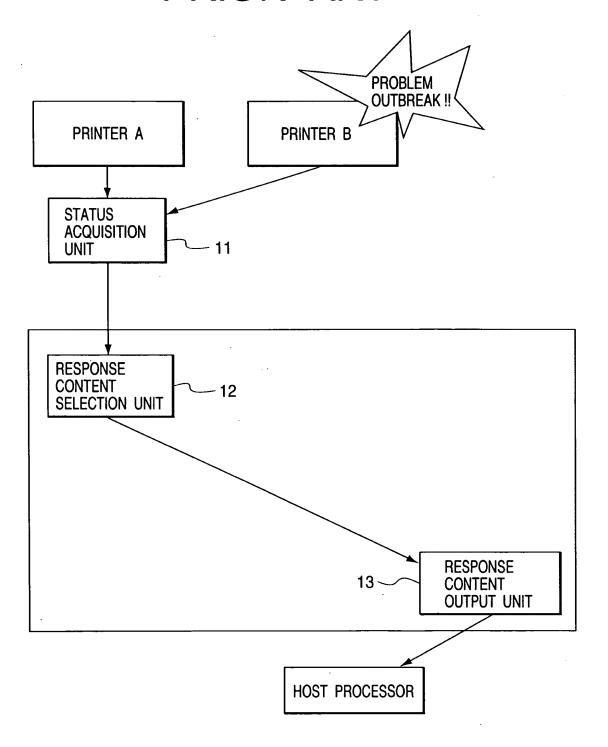
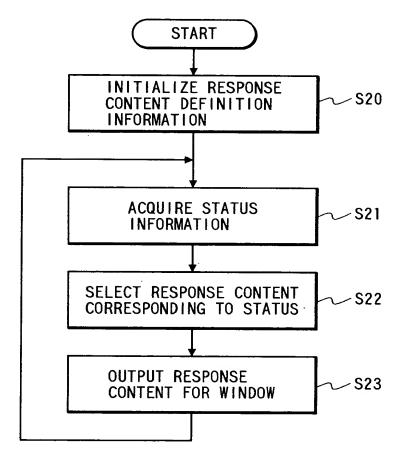
### FIG. 1 PRIOR ART



### FIG. 2 PRIOR ART



### FIG. 3 PRIOR ART

STATE	MEANING	OUTPUT CHARACTER STRING
0	CONNECTION OFF OR POWER SUPPLY OFF	POWER SUPPLY IS NOT SUPPLIED
1	PRINTING STANDBY STAGE	PRINTING POSIBLE
2	PRINTER STARTING STAGE	STARTING STAGE
က	PRINTER BUFFER ABNORMALITY	[INVALIDITY]
6	OTHER ERRORS	[INVALIDITY]
10	UPPER CARTRIDGE OUT	CARTRIDGE IS REMOVED
#	UPPER CARTRIDGE COPY PAPER OUT	COPY PAPER OUT
12	UPPER CARTRIDGE COPY PAPER REMAINING 5%	COPY PAPER RUN LOW
13	UPPER CARTRIDGE COPY PAPER REMAINING 10%	COPY PAPER RUN LOW
20	LOWER CARTRIDGE OUT	CARTRIDGE IS REMOVED
21	LOWER CARTRIDGE COPY PAPER OUT	COPY PAPER OUT
22	LOWER CARTRIDGE COPY PAPER REMAINING 5%	COPY PAPER RUN LOW
23	LOWER CARTRIDGE COPY PAPER REMAINING 10%	COPY PAPER RUN LOW
30	TONER CARTRIDGE OUT	TONER CARTRIDGE IS REMOVED
ઝ	TONER OUT	TONER OUT
32	TONER REMAINING 5%	TONER RUN LOW
೫	TONER REMAINING 10%	TONER RUN LOW
41	FIXER OUT	FIXER OUT
42	FIXER REMAINING 5%	FIXER RUN LOW
43	FIXER REMAINING 10%	FIXER RUN LOW

### FIG. 4 PRIOR ART

PRINTER	STATUS DISPLAY WINDOW
	THERE IS NO PAPER

### FIG. 5 PRIOR ART

STATUS	MEANING	Веер
0	RECEIVED MAIL ABSENT	OFF
1	RECEIVED MAIL PRESENT	ON

FIG. 6

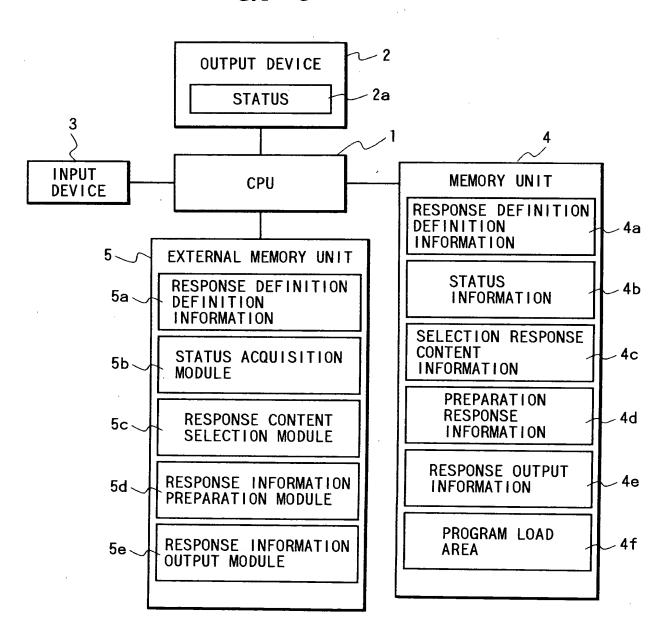
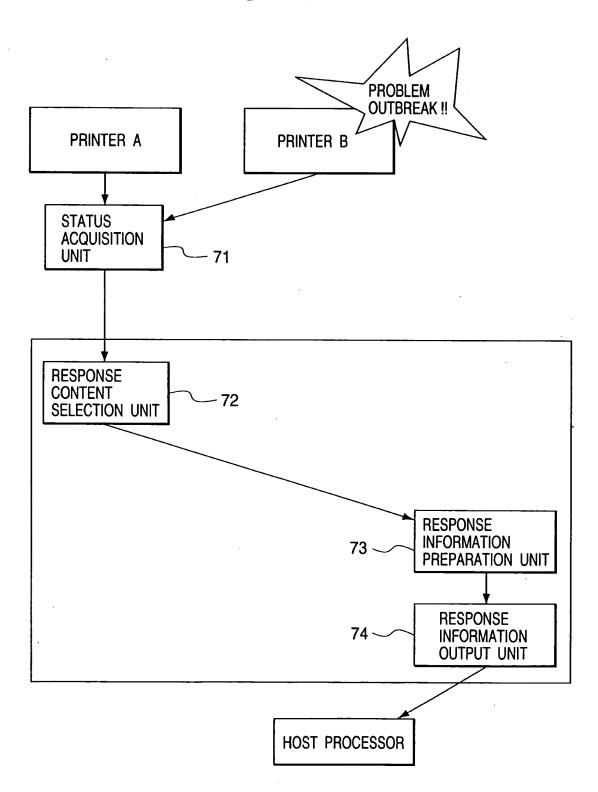
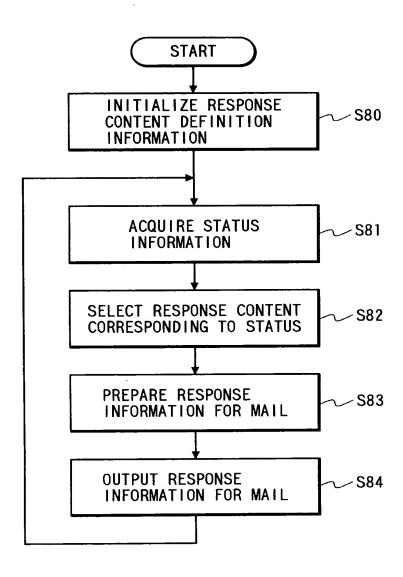


FIG. 7





STATE	MEANING	OUTPUT CHARACTER STRING
0	CONNECTION OFF OR POWER SUPPLY OFF	POWER SUPPLY IS NOT SUPPLIED
-	PRINTING STANDBY STAGE	PRINTING POSSIBLE
2	PRINTER STARTING STAGE	STARTING STAGE
3	PRINTER BUFFER ABNORMALITY	[INVALIDITY]
တ	OTHER ERRORS	[INVALIDITY]
9	UPPER CARTRIDGE OUT	CARTRIDGE IS REMOVED
=	UPPER CARTRIDGE COPY PAPER OUT	COPY PAPER OUT
12	UPPER CARTRIDGE COPY PAPER REMAINING 5%	COPY PAPER RUN LOW
13	UPPER CARTRIDGE COPY PAPER REMAINING 10%	COPY PAPER RUN LOW
8	LOWER CARTRIDGE OUT	CARTRIDGE IS REMOVED
72	LOWER CARTRIDGE COPY PAPER OUT	COPY PAPER OUT
22	LOWER CARTRIDGE COPY PAPER REMAINING 5%	COPY PAPER RUN LOW
ន	LOWER CARTRIDGE COPY PAPER REMAINING 10% COPY PAPER RUN LOW	COPY PAPER RUN LOW
ස	TONER CARTRIDGE OUT	TONER CARTRIDGE IS REMOVED
ಹ	TONER OUT	TONER OUT
83	TONER REMAINING 5%	TONER RUN LOW
ಜ	TONER REMAINING 10%	TONER RUN LOW
4	FIXER OUT	FIXER OUT
42	FIXER REMAINING 5%	FIXER RUN LOW
43	FIXER REMAINING 10%	FIXER RUN LOW

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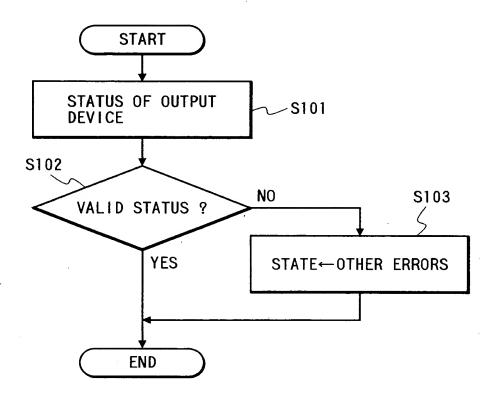


FIG. 11

VARIABLE NAME	MEANING
STATE	STATUS OF PRINTER

### FIG. 12

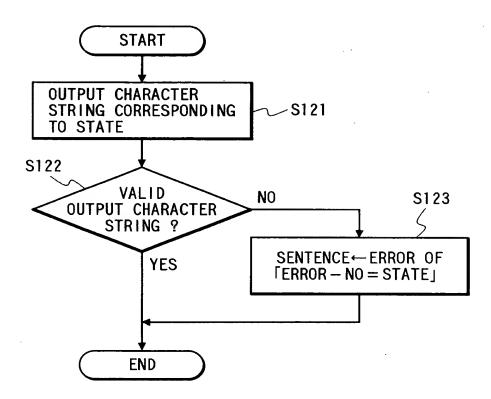
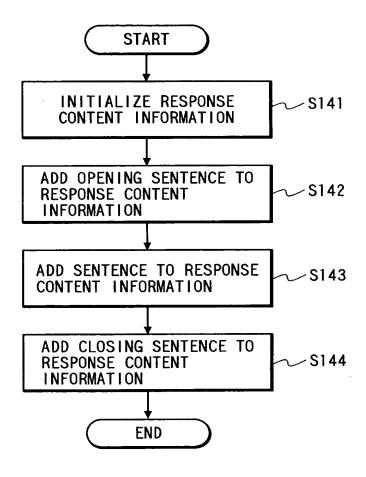


FIG. 13

VARIABLE NAME	MEANING
SENTENCE	OUTPUT CHARACTER STRING FOR RESPONSE

ossess, letter



APPROVED O.G. FIG.

BY CLASS SUBCLASS

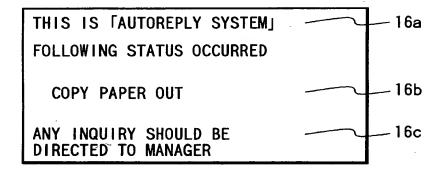
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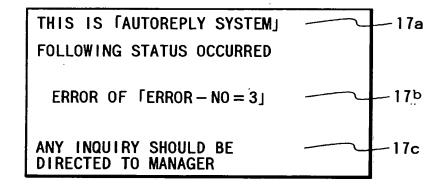
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### FIG. 15

KIND	CHARACTER STRING
OPENING SENTENCE	THIS IS 「AUTOREPLY SYSTEM」 FOLLOWING STATUS OCCURRED
CLOSING SENTENCE	ANY INQUIRY SHOULD BE DIRECTED TO MANAGER

### FIG. 16



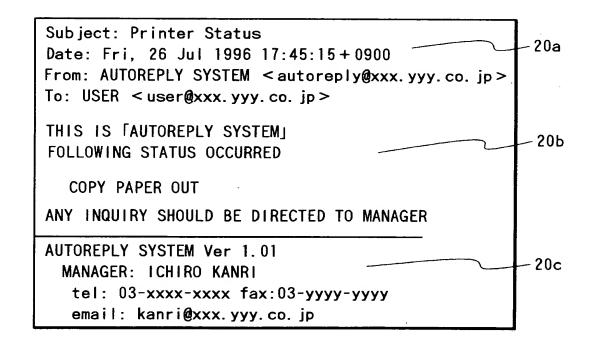


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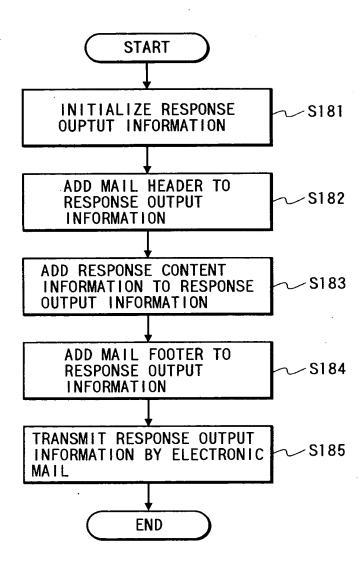
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#### FIG. 19

KIND	CHARACTER STRING
MAIL HEADER SENTENCE	Subject: Printer Status  Date: Fri, 26 Jul 1996 17:45:15+0900  From: AUTOREPLY SYSTEM < autoreply@xxx.yyy.co.jp> To: USER < user@xxx.yyy.co.jp>
MAIL FOOTER SENTENCE	AUTOREPLY SYSTEM Ver 1.01  MANAGER: ICHIRO KANRI  tel: 03-xxxx-xxxx fax:03-yyyy-yyyy  email: kanri@xxx.yyy.co.jp

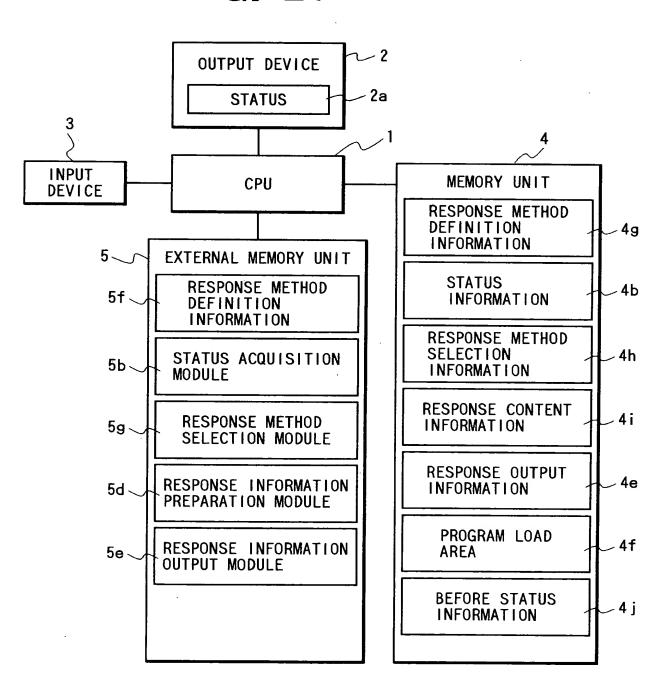


### FIG. 18



DESESSULTESS

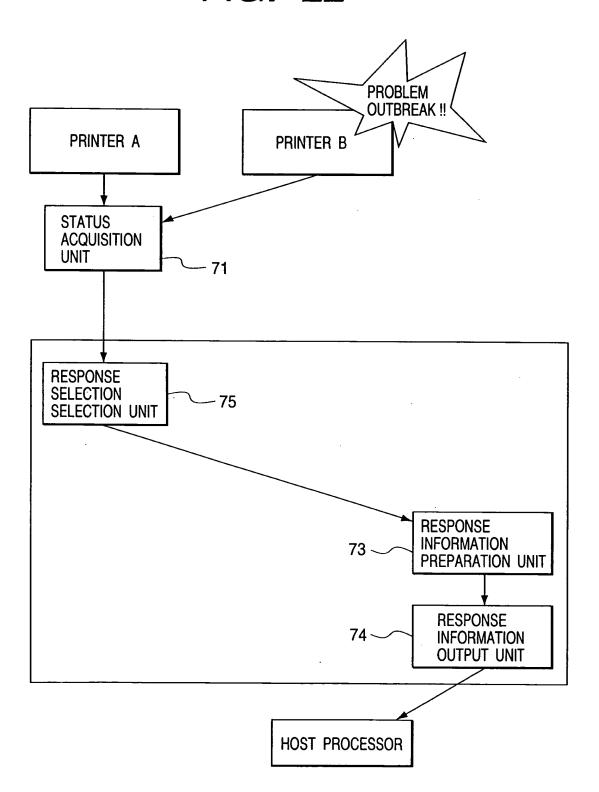
FIG. 21



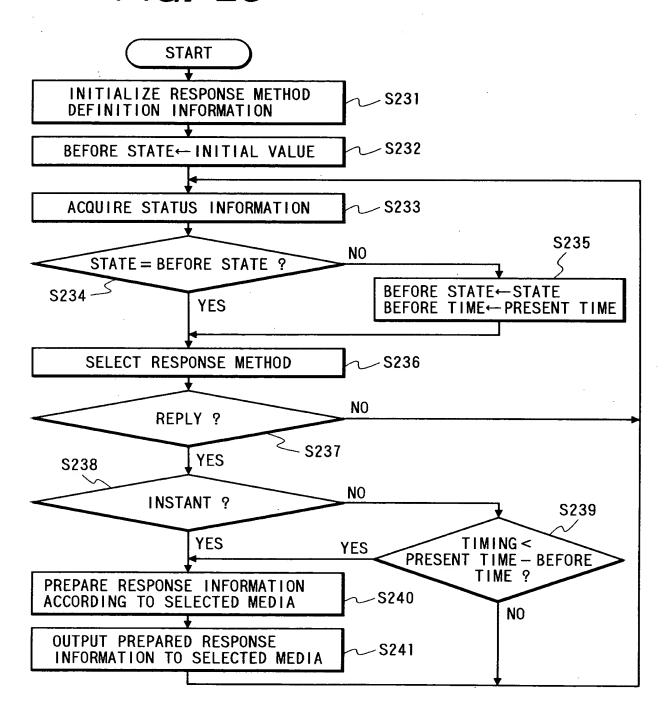
APPROVED O.G. FIG. CLASS SUBCLASS

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FIG. 22



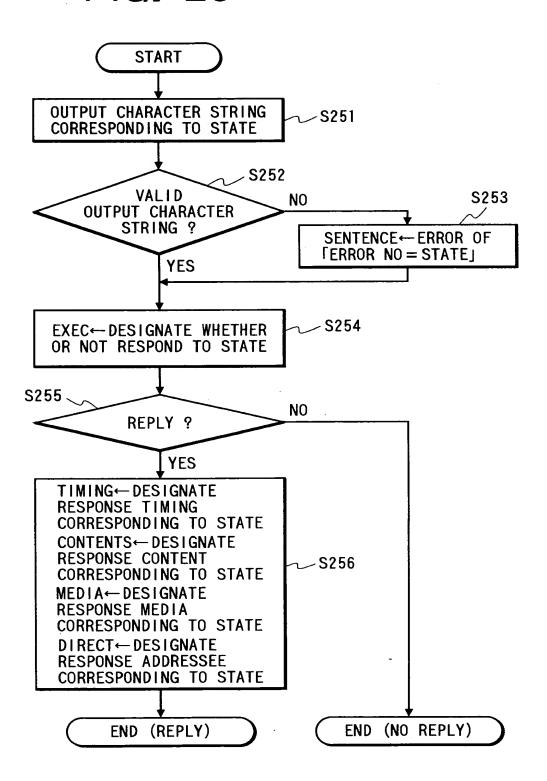
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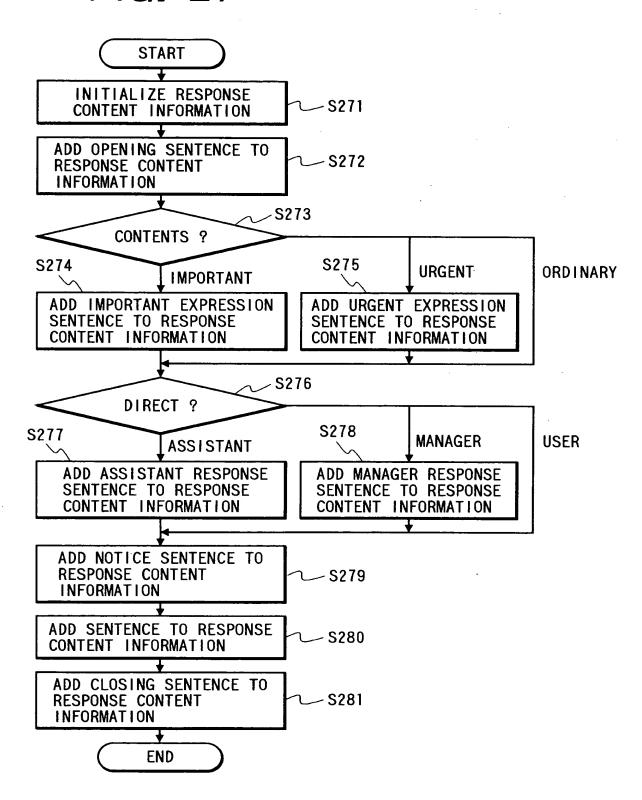
ঠ	<sub>5</sub>				Ţ-	_		<u></u>		18 /	/46	; 				e								<u></u>
	OUTPUT CHARACTER STRING	POWER SUPPLY IS NOT SUPPLIED	PRINTING POSSIBLE	STARTING STAGE	[INVALIDITY]	[INVALIDITY]	CARTRIDGE IS REMOVED	COPY PAPER OUT	COPY PAPER RUN LOW	COPY PAPER RUN LOW	CARTRIDGE IS REMOVED	COPY PAPER OUT		COPY PAPER RUN LOW	COPY PAPER RUN LOW	TONER CARTRIDGE IS REMOVED	Toner out		TONER RUN LOW	TONER RUN LOW	fixer out		fixer run Low	
96	DNIWIL	INSTANT	INSTANT	INSTANT	5 MINUTES LATER	INSTANT	5 MINUTES LATER	INSTANT	INSTANT	INSTANT	5 MINUTES LATER	INSTANT		INSTANT	INSTANT	5 MINUTES LATER	INSTANT		INSTANT	5 MINUTES LATER	INSTANT		INSTANT	
<b>p</b> 6	RESPONSE ADDRESSEE	USER	USER	USER	MANAGER	MANAGER	USER	USER	USER	USER	USER	NSER		USER	USER	ASSISTANT	ASSISTANT		ASSISTANT	ASSISTANT	ASSISTANT		ASSISTANT	THETOLOGY
တိ	MEDIA	WINDOW	WINDOW	WINDOW	FAX	BEEPER	MODNIM	WINDOW & BEEP	WINDOW	MAIL	MOGNIM	MOGNIM	& BEEP	MOGNIM	MAIL	WINDOW	WINDOW	מ סבבו	WINDOW	MAIL	WINDOW	& BEEP	WINDOW & BEEP	
q6	CONTENT	ORDINARY	ORDINARY	ORDINARY	IMPORTANT FAX	URGENT	ORDINARY	IMPORTANT WINDOW & BEEP	ORDINARY	ORDINARY	ORDINARY   WINDOW	IMPORTANT WINDOW		ORDINARY   WINDOW	ORDINARY	ORDINARY	IMPORTANT WINDOW		OHDINARY	ORDINARY	MPORTANT WINDOW		IMPORTANT WINDOW	MODINIAN VORINICOL
9a	RESPONSE	Q.	2	9	YES	YES	9	YES	YES	YES	NO	YES		YES	YES	ON	YES			YES	YES		YES	CL/
FIG. 24	MEANING	CONNECTION OFF OR POWER SUPPLY OFF	PRINTING STANDBY STAGE	PRINTER STARTING STAGE	PRINTER BUFFER ABNORMALITY	other errors	UPPER CARTRIDGE OUT	upper Cartridge Copy Paper Out	UPPER CARTRIDGE COPY PAPER REMAINING 5%	UPPER CARTRIDGE COPY PAPER REMAINING 10%	LOWER CARTRIDGE OUT	LOWER CARTRIDGE COPY PAPER OUT		LOWER CARTRIDGE COPY PAPER REMAINING 5%	LOWER CARTRIDGE COPY PAPER REMAINING 10%	Toner Cartridge Out	TONER OUT	CHILD CINC	IONER REMAINING 5%	Toner remaining 10%	fixer out		FIXER REMAINING 5%	CIVED DEMAINING 100/
	STATE	0	-	5	က	<u>о</u>	<b>£</b>	=	15	2	<u> </u>	2 	寸	$\dashv$	<u>പ</u> ജ	8	<u>–</u> ਲ	+	$\forall$	33	4	_	3 규	ç

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#### FIG. 25



MEANING	RESPONSE OUTPUT CHARACTER STRING	DESIGNATE WHETHER OR NOT RESPOND TO STATE	DESIGNATE RESPONSE TIMING	DESIGNATE RESPONSE CONTENT	DESIGNATE RESPONSE MEDIA	DESIGNATE RESPONSE ADDRESSEE
VARIABLE NAME	SENTENCE	EXEC	TIMING	CONTENTS	MEDIA	DIRECT

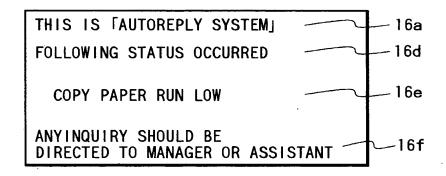


KIND	CHARACTER STRING
OPENING SENTENCE	THIS IS AUTOREPLY SYSTEM
IMPORTANT EXPRESSION SENTENCE	THIS IS VERY IMPORTANT NOTICE PLEASE BE SURE TO ATTEND TO IT
URGENT EXPRESSION SENTENCE	THIS IS URGENT NOTICE PLEASE ATTEND TO IT AT ONCE
ASSISTANT RESPONSE SENTENCE	IN PRINTER LOCATED NEAR ENTRANCE OF ROOM
MANAGER RESPONSE SENTENCE	27TH FLOOR FACING SOUTH IN PRINTER LOCATED NEAR ENTRANCE OF ROOM
NOTICE SENTENCE	FOLLOWING STATUS OCCURRED
CLOSING SENTENCE	ANY INQUIRY SHOULD BE DIRECTED TO MANAGER OR ASSISTANT

APPROVED O.G. FIG. CLASS SUBCLASS

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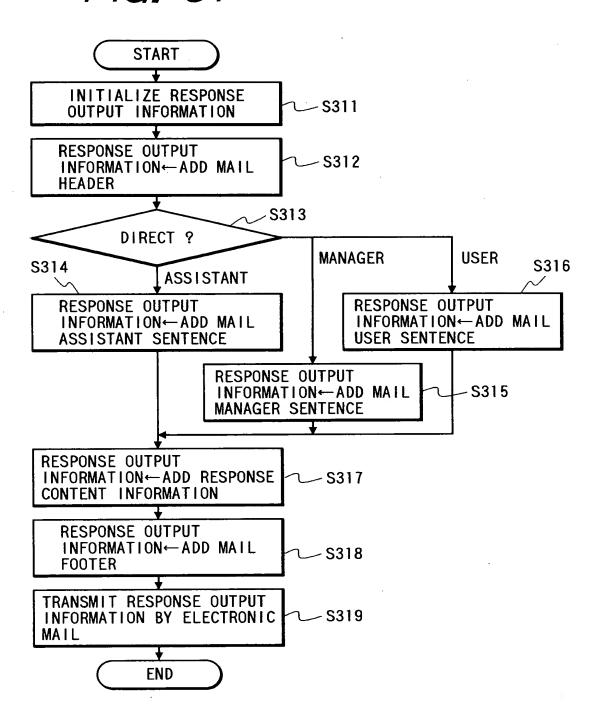
### FIG. 29



### FIG. 30

TI	IIS IS 「AUTOREPLY SYSTEM」		—17a
	N PRINTER LOCATED NEAR EN F ROOM	ITRANCE	∼17c
FO	DLLOWING STATUS OCCURRED		—17d
	TONER RUN LOW		—17e
	IY INQUIRY SHOULD BE RECTED TO MANAGER OR ASS	ISTANT	└-17f

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### FIG. 32

KIND	CHARACTER STRING
MAIL HEADER SENTENCE	Subject: Printer Status Date: Fri, 26 Jul 1996 17:45:15+0900 From: AUTOREPLY SYSTEM < autoreply@xxx.yyy.co.jp>
MAIL USER SENTENCE	To: USER < user@xxx.yyy.co.jp>
MAIL ASSISTANT SENTENCE	To: TARO JOSHU < joshu@xxx.yyy.co.jp>
MAIL MANAGER SENTENCE	To: ICHIRO KANRI < kanri@xxx.yyy.co.jp>
MAIL FOOTER SENTENCE	AUTOREPLY SYSTEM Ver 1.01  MANAGER: ICHIRO KANRI  tel: 03-xxxx-xxxx fax:03-yyyy-yyyy  email: kanri@xxx.yyy.co.jp  ASSISTANT: TARO JOSHU  tel: 03-xxxx-xxxx fax:03-yyyy-yyyy  email: joshu@xxx.yyy.co.jp

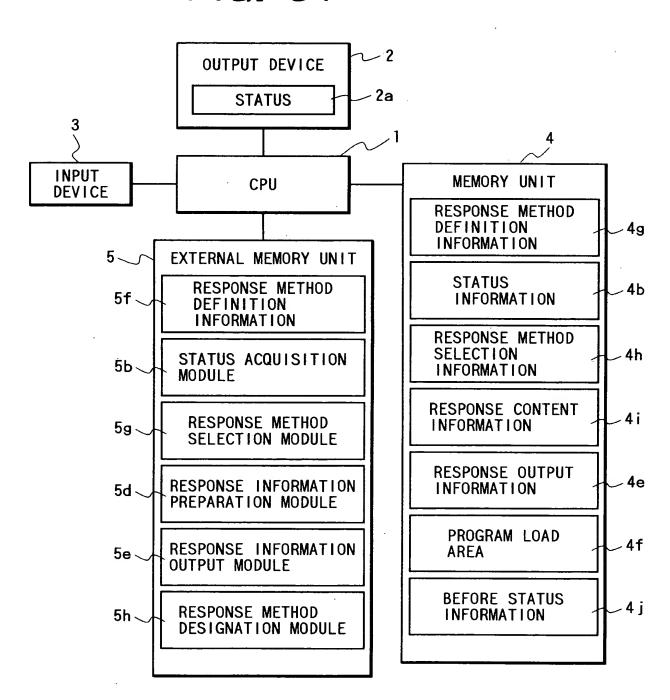
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### FIG. 33

Subject: Printer Status  Date: Fri, 26 Jul 1996 17:45:15+0900  From: AUTOREPLY SYSTEM < autoreply@xxx.yyy.co.jp> To: TARO JOSHU < joshu@xxx.yyy.co.jp>	_ 20a _ 20b
THIS IS 「AUTOREPLY SYSTEM」 IN PRINTER LOCATED NEAR ENTRANCE OF ROOM FOLLOWING STATUS OCCURRED	– 20c
TONER RUN LOW	
ANY INQUIRY SHOULD BE DIRECTED TO MANAGER OR ASSISTANT	
AUTOREPLY SYSTEM Ver 1.01	- 20d
MANAGER: ICHIRO KANRI	
tel: 03-xxxx-xxxx fax:03-yyyy-yyyy	
email: kanri@xxx.yyy.co.jp	
ASSISTANT: TARO JOSHU	
tel: 03-xxxx-xxxx fax:03-yyyy-yyyy	
email: joshu@xxx.yyy.co.jp	

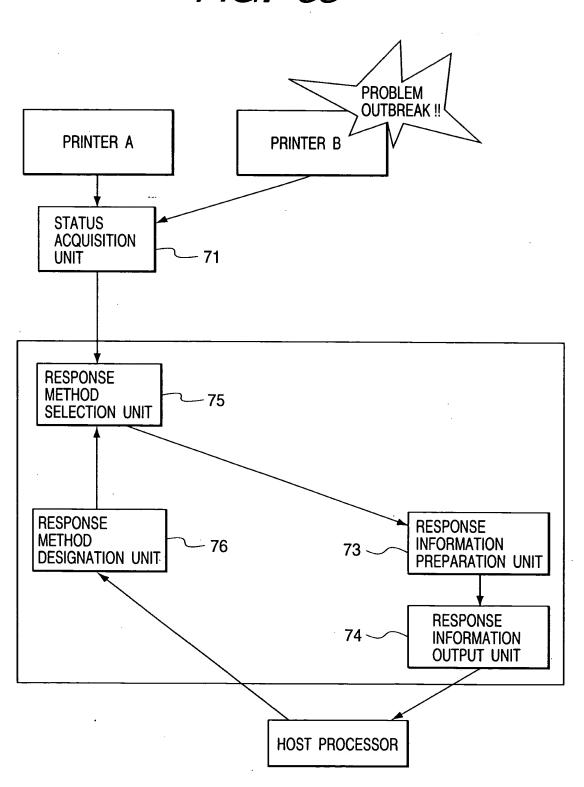
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FIG. 34



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FIG. 35



### FIG. 36

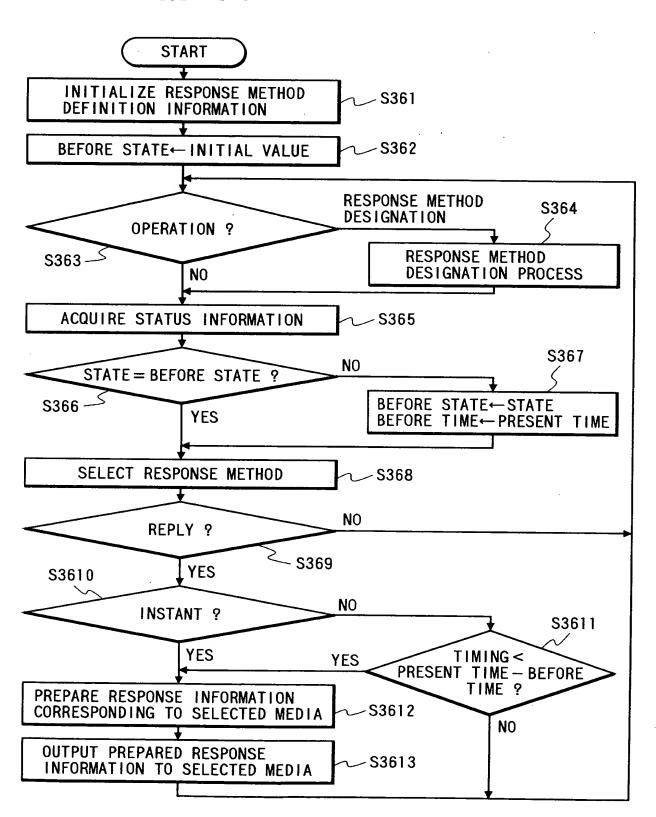
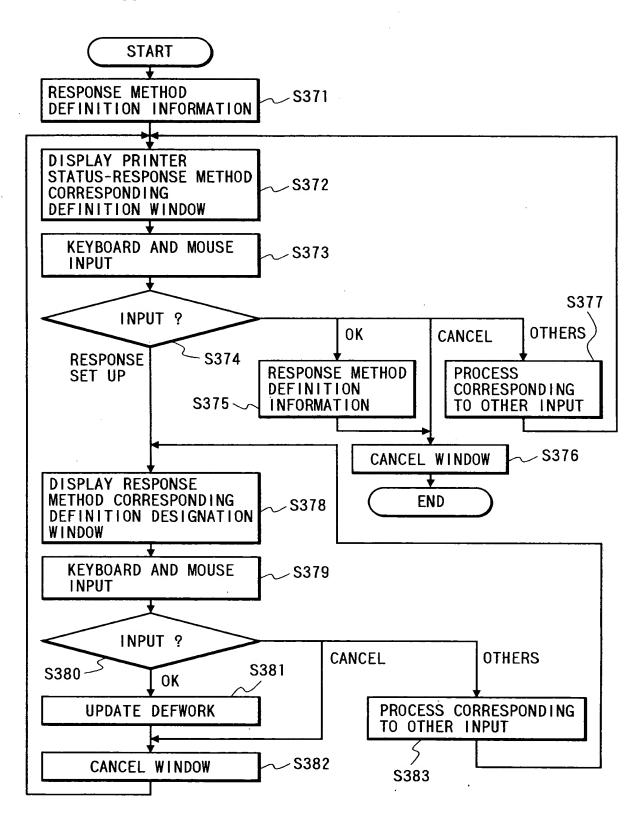
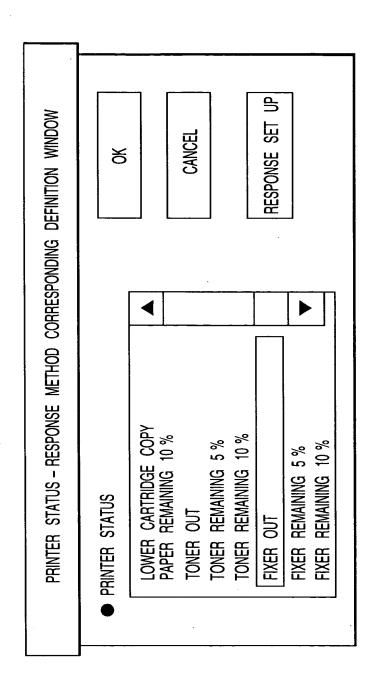


FIG. 37



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## F/G. 38A



# FIG. 38B

RESPONSE METHOD CORRESPONDING DEFINITION DESIGNATION WINDOW	[TONER REMAINING 10%]	ON O	O IMPORTANT O URGENT	● MAIL ○ FAX	● ASSISTANT ○ MANAGER	MINUTES	CANCEL	
INSE METHOD CORRESF	TUS = 33	● YES	● ORDINARY	O WINDOW	O USER		δ	
RESPC	● PRINTER STATUS=33	RESPONSE	CONTENTS	MEDIA	RESPONSE ADDRESSEE	DIWING	- -	

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# FIG. 38C

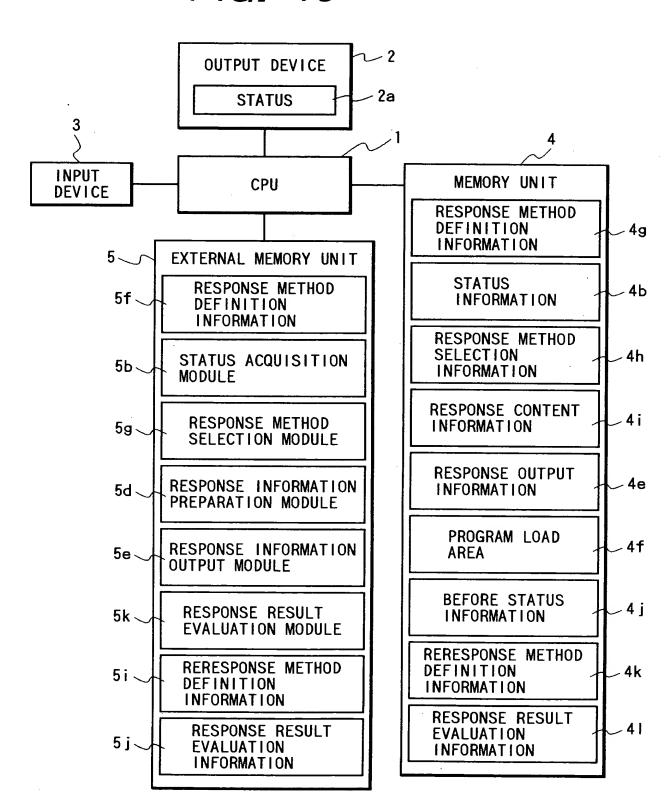
RESPONSE	Method Correspo	response method corresponding definition designation window	nol Window
PRINTER STATUS = 33	= 33	[TONER REMAINING 10%]	JG 10%]
RESPONSE	• YES	O NO	
CONTENTS	O ORDINARY	● IMPORTANT	O urgent
MEDIA	O WINDOW	MAIL     MAINDOW & REED	O FAX
RESPONSE ADDRESSEE	• USER	O ASSISTANT	O MANAGER
TIMING	S	Minutes Later	
	X	CANCEL	

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MEANING	RESPONSE	CONTENT	MEDIA	response Addressee	TIMING	OUTPUT CHARACTER STRING	
ECTION OFF OR POWER SUPPLY OFF	00	ORDINARY	MODNIM	USER	INSTANT	POWER SUPPLY IS NOT SUPPLIED	
NG STANDBY STAGE	NO	ORDINARY	WINDOW	USER	INSTANT	PRINTING POSSIBLE	
er starting stage	ON	ORDINARY	WINDOW	USER	INSTANT	STARTING STAGE	
ER BUFFER ABNORMALITY	YES	IMPORTANT	FAX	MANAGER	5 MINUTES LATER	[INVALIDITY]	يه ۔
ERRORS	YES	URGENT	BEEPER	MANAGER	INSTANT	[INVALIDITY]	÷ 4
CARTRIDGE OUT	9	ORDINARY	WINDOW	USER	5 MINUTES LATER	CARTRIDGE IS REMOVED	
CARTRIDGE COPY PAPER OUT	YES	IMPORTANT	WINDOW & BEEP	USER	INSTANT	COPY PAPER OUT	
CARTRIDGE COPY PAPER REMAINING 5%	YES	ORDINARY	WINDOW	USER	INSTANT	COPY PAPER RUN LOW	3
CARTRIDGE COPY PAPER REMAINING 10%	YES	ORDINARY	MAIL	USER	INSTANT	COPY PAPER RUN LOW	34 /
r Cartridge out	ON.	ORDINARY	MOGNIM	USER	5 MINUTES LATER	CARTRIDGE IS REMOVED	<b>4</b> 6
a cartridge copy paper out	YES	IMPORTANT	MODNIM	USER	INSTANT	COPY PAPER OUT	5
			& BEEP				
CARTRIDGE COPY PAPER REMAINING 5%	YES	ORDINARY	MOGNIM	USER	INSTANT	COPY PAPER RUN LOW	
CARTRIDGE COPY PAPER REMAINING 10%	YES	ORDINARY	MAIL	USER	INSTANT	COPY PAPER RUN LOW	
CARTRIDGE OUT	NO.	ORDINARY	MOGNIM	ASSISTANT	5 MINUTES LATER	TONER CARTRIDGE IS REMOVED	
סת	YES	IMPORTANT	WINDOW 8	ASSISTANT	INSTANT	Toner out	
REMAINING 5%		ORDINARY	MODNIM	_	INSTANT	TONER RIIN IOW	
A STATE OF THE STA	WES:	MRORTANT		USER	5 MINUTES [EATER]	TONER RUNNION	
OUT	YES	MPORTANT		ASSISTANT	INSTANT	fixer out	
			& BEEP				
Remaining 5%	YES	MPORTANT	WINDOW & BEEP	ASSISTANT	INSTANT	fixer run Low	
REMAINING 10%	YES	ORDINARY	WINDOW	ASSISTANT	5 MINUTES LATER	FIXER RUN LOW	
	MEANING  CONNECTION OFF OR POWER SUPPLY OFF PRINTING STANDBY STAGE PRINTER STARTING STAGE PRINTER BUFFER ABNORMALITY OTHER ERRORS UPPER CARTRIDGE COPY PAPER REMAINING 10% UPPER CARTRIDGE COPY PAPER REMAINING 10% LOWER CARTRIDGE COPY PAPER REMAINING 10% LOWER CARTRIDGE COPY PAPER REMAINING 10% LOWER CARTRIDGE COPY PAPER REMAINING 10% TONER CARTRIDGE COPY PAPER REMAINING 10% TONER CARTRIDGE OUT TONER CARTRIDGE OUT TONER CARTRIDGE OUT TONER CARTRIDGE OUT TONER CARTRIDGE SWAINING 5% FIXER PEMAINING 5% FIXER REMAINING 5% FIXER REMAINING 10%	MEANING MEANING MEANING MEANING STANDBY STAGE TARTING STAGE TARTING STAGE TARTING STAGE TARTING STAGE TARTING STAGE STRIDGE COPY PAPER REMAINING 5% STRIDGE COPY PAPER REMAINING 10% ANNING 5% MAINING 5% ANNING 5% ANNING 10%	MEANING MEANING MEANING MEANING STANDBY STAGE TARTING STAGE TARTING STAGE TARTING STAGE TARTING STAGE TARTING STAGE STRIDGE COPY PAPER REMAINING 5% STRIDGE COPY PAPER REMAINING 10% ANNING 5% MAINING 5% ANNING 5% ANNING 10%	MEANING 5%  MESPONSE CONTENT MINDOW WINDOW WIN	MEANING 5%  MEANIN	MEANING 5%  MEANIN	HESPONSE

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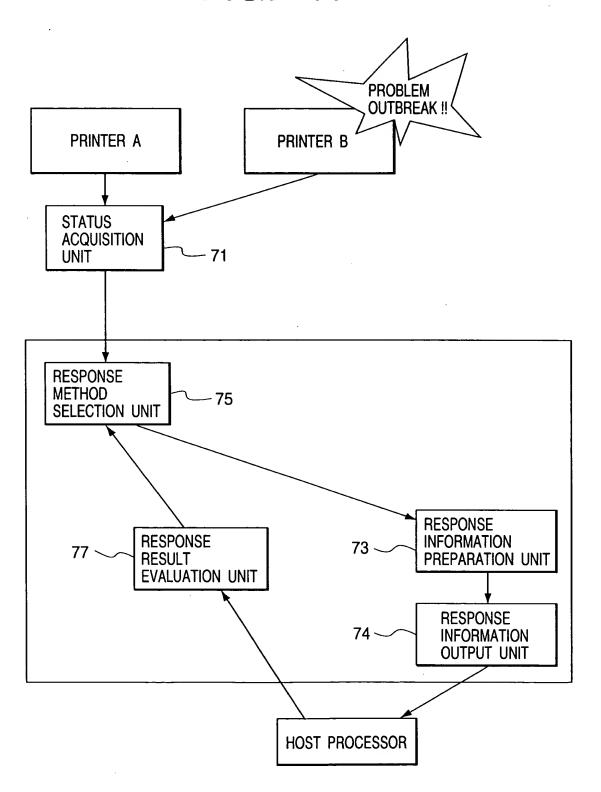
### FIG. 40



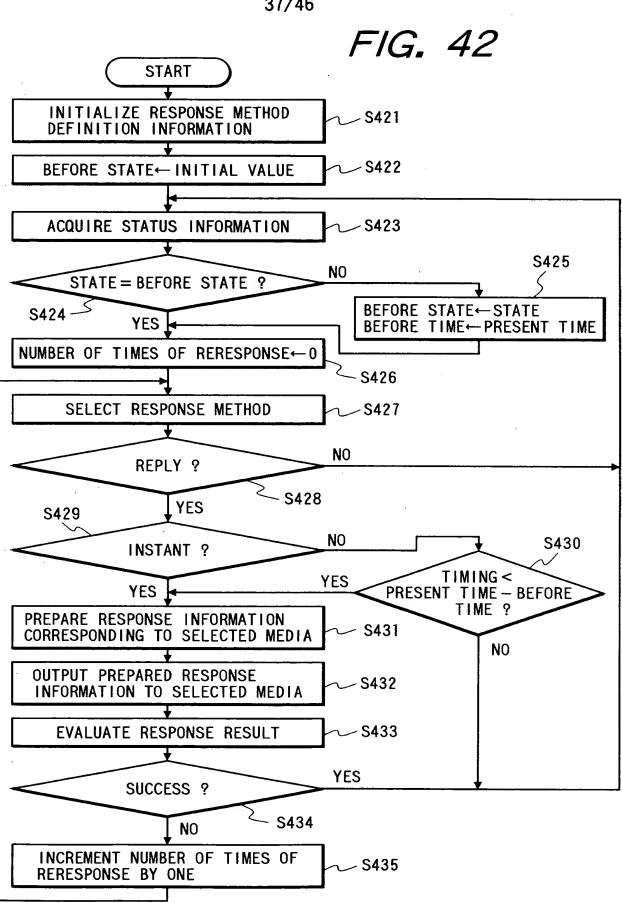
APPROVED O.G. FIG. CLASS SUBCLASS

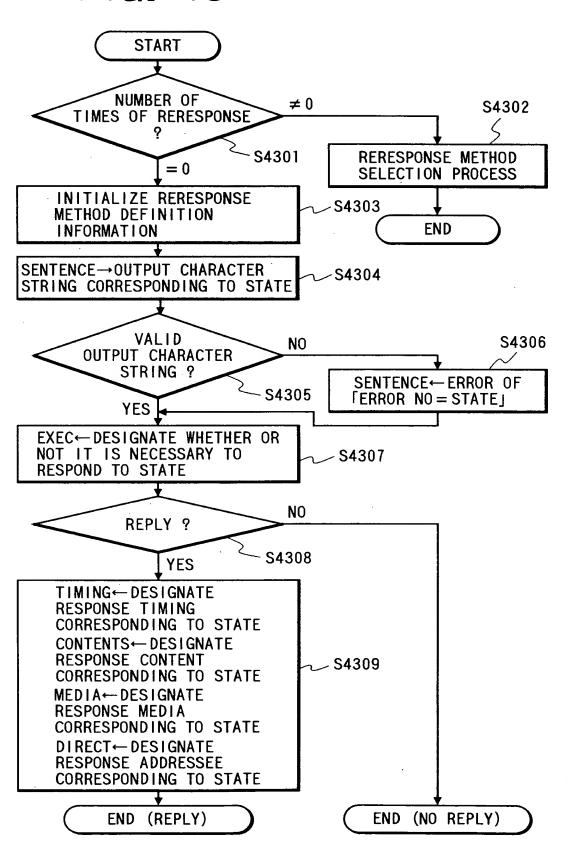
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FIG. 41



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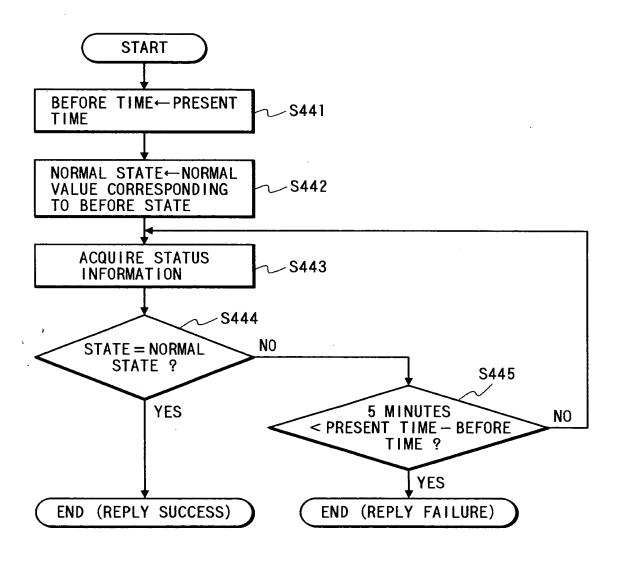




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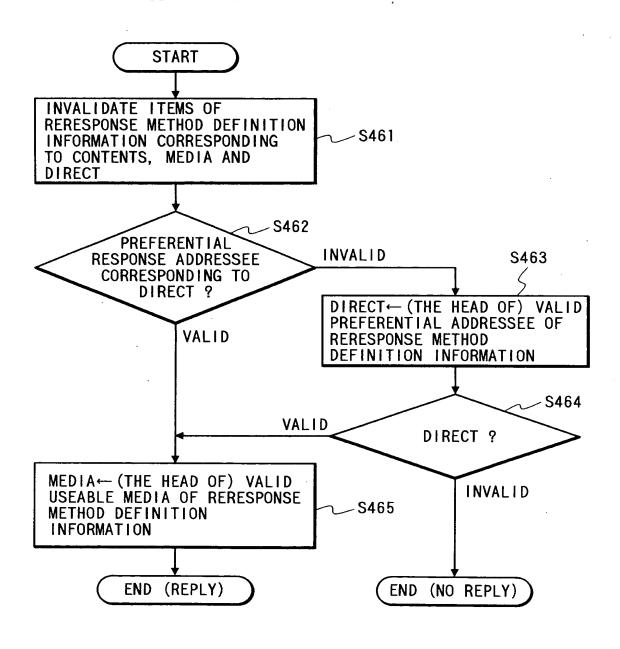
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FIG. 44



	ACQUISITION VALUE		NORMAL VALUE
STATE	MEANING	STATE	MEANING
0	CONNECTION OFF OR POWER SUPPLY OFF	1	PRINTING STANDBY STAGE
-	PRINTING STANDBY STAGE	1	PRINTING STANDBY STAGE
2	PRINTER STARTING STAGE	1	PRINTING STANDBY STAGE
က	PRINTER BUFFER ABNORMALITY	1	PRINTING STANDBY STAGE
တ	OTHER ERRORS	1	PRINTING STANDBY STAGE
9	UPPER CARTRIDGE OUT	1	PRINTING STANDBY STAGE
=	UPPER CARTRIDGE COPY PAPER OUT	1	PRINTING STANDBY STAGE
12	UPPER CARTRIDGE COPY PAPER REMAINING 5%	1	PRINTING STANDBY STAGE
13	UPPER CARTRIDGE COPY PAPER REMAINING 10%	1	PRINTING STANDBY STAGE
20	LOWER CARTRIDGE OUT	1	PRINTING STANDBY STAGE
21	LOWER CARTRIDGE COPY PAPER OUT	1	PRINTING STANDBY STAGE
ଷ	LOWER CARTRIDGE COPY PAPER REMAINING 5%	1	PRINTING STANDBY STAGE
ಜ	LOWER CARTRIDGE COPY PAPER REMAINING 10%	1	PRINTING STANDBY STAGE
30	TONER CARTRIDGE OUT	1	PRINTING STANDBY STAGE
31	TONER OUT	1	PRINTING STANDBY STAGE
32	Toner Remaining 5%	1	PRINTING STANDBY STAGE
33	TONER REMAINING 10%	1	PRINTING STANDBY STAGE
41	Fixer out	1	PRINTING STANDBY STAGE
42	FIXER REMAINING 5%	-	PRINTING STANDBY STAGE
43	FIXER REMAINING 10%	-	PRINTING STANDBY STAGE

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# FIG. 47

Preferential Response addressee		USEABLE	JSEABLE MEDIA	
USER	MAIL	WINDOW	WINDOW & BEEP	
ASSISTANT	B36338	MAIL	WINDOW	WINDOW & BEEP
MANAGER	B36338	FAX		·

### FIG. 48

Preferential Response addressee		USEABLE MEDIA	MEDIA	
USER	MAIL	WINDOW	WINDOW & BEEP	
ASSISTANT	BEEPER	* NVALIDITY* :	WINDOW	WINDOW & BEEP
MANAGER	BEEPER	FAX		

DRAFTSMAN

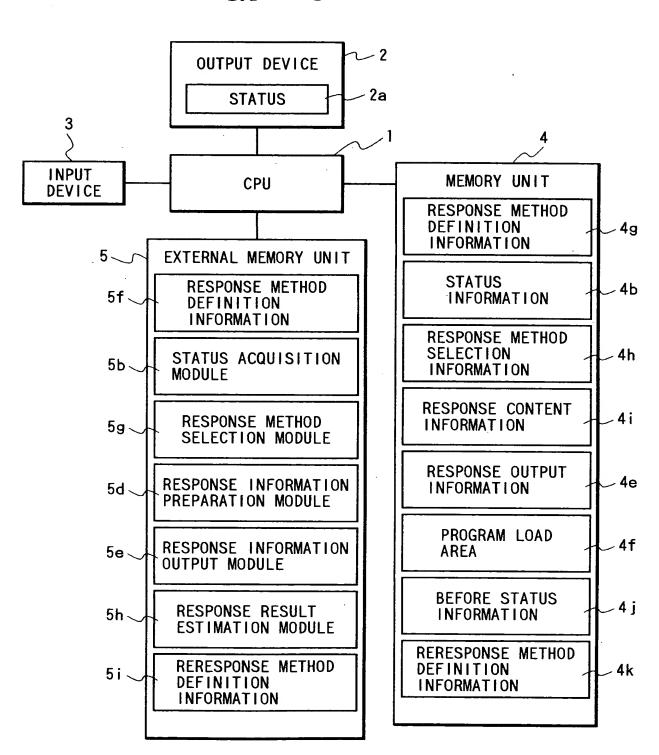
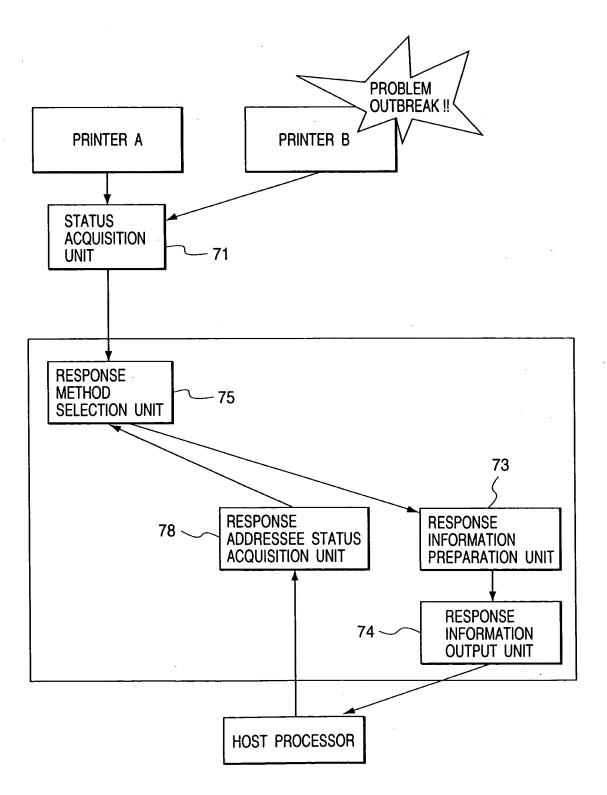
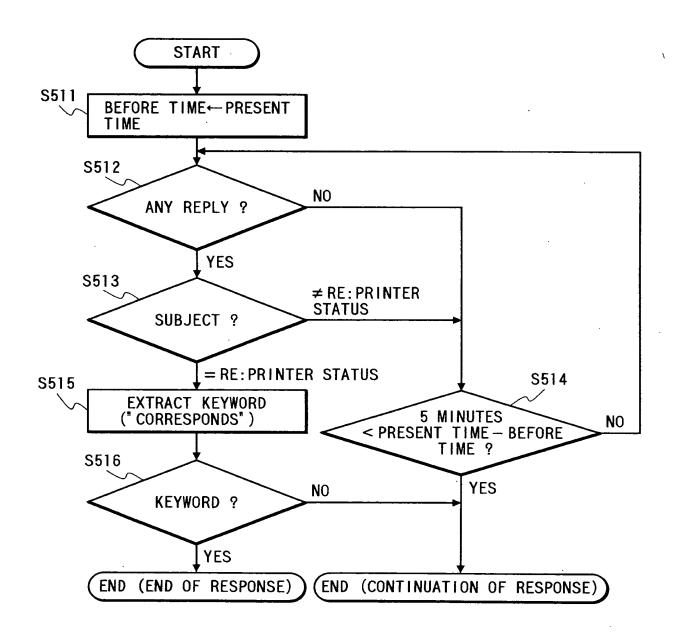


FIG. 50



CELLEL CERESOCET

FIG. 51



CLASS SUBCLASS DRAFTSMAN

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### FIG. 52

- 30a Subject: Re:Printer Status Date: Fri, 26 Jul 1996 17:47:30 + 0900 - 30b From: TARO JOSHU < joshu@xxx.yyy.co.jp > To: AUTOREPLY SYSTEM < autoreply@xxx.yyy.co.jp> **AUTOREPLY SYSTEM wrote:** - 30c > THIS IS [AUTOREPLY SYSTEM] > IN PRINTER LOCATED NEAR ENTRANCE OF ROOM > FOLLOWING STATUS OCCURRED > > TONER RUN LOW > ANY INQUIRY SHOULD BE DIRECTED TO > MANAGER OR ASSISTANT 30d SYSTEM MANAGER WILL ATTEND TO ABOVE-MENTIONED STATUS